

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A single-chain antibody molecule, which is directed specifically against ~~LRP/LR~~ laminin receptor precursor (LRP)/laminin receptor (LR) and which comprises ~~the~~ amino acid sequence SEQ ID No.2, and ~~homologs or fragments thereof, and homologs of the fragments~~ which are directed specifically against LRP/LR.

2. (Previously Presented) The single-chain antibody molecule as claimed in claim 1, which has the amino acid sequence SEQ ID No. 2.

3. (Canceled).

4. (Canceled).

5. (Currently Amended) A single-chain antibody molecule, which is directed specifically against LRP/LR and which comprises ~~the~~ amino acid sequence SEQ ID No. 4, and ~~homologs or fragments thereof, and homologs of the~~ fragments.

6. (Previously Presented) The single-chain antibody molecule as claimed in claim 5, which has the amino acid sequence SEQ ID No. 4.

7. (Canceled).

8. (Canceled).

9. (Canceled).

10. (Currently Amended) The antibody molecule as claimed in claim ~~9~~ 1 or 5, ~~wherein the amino acid insertion being~~ a c-myc tag ~~which~~ is inserted between ~~the~~ F_L domain and ~~the~~ hexahistidine tag.

Claims 11-23 (Canceled).

24. (Currently Amended) A process for ~~the production of producing~~ an antibody molecule as claimed in one of claims 1, 2, 5 and 6, which comprises culturing host cells ~~as claimed in claim 15~~ a cDNA comprising nucleotide sequence SEQ ID No. 1 or SEQ ID No. 3 carried by a replication or expression vector which is a recombinant adeno-associated virus (AAV), under conditions effective for ~~the~~ expression of an antibody molecule ~~according to the invention.~~

25. (Canceled).

26. (Canceled).

27. (Currently Amended) A diagnostic composition which comprises an antibody molecule according to ~~the invention as claimed in~~ one of claims 1, 2, 5 and 6 in combination with an acceptable diluent and/or vehicle.

28. (Previously Presented) The diagnostic composition as claimed in claim 27, which is suitable for detection in body fluids.

29. (Currently Amended) The diagnostic composition as claimed in claim ~~27~~ 28, wherein the body fluids ~~being~~ are blood or cerebrospinal fluid.

30. (Previously Presented) The diagnostic composition as claimed in claim 27, which is suitable for detection in tissues.

31. (Currently Amended) The diagnostic composition as claimed in claim 30, wherein the tissues ~~being~~ are brain tissue.

32. (Currently Amended) The diagnostic composition as claimed in claim 30, wherein the tissues ~~being~~ are lymphatic tissue.

33. (Currently Amended) The diagnostic composition as claimed in claim 27, which is suitable for ~~the~~ detection of malignant degeneration (cancer).

34. (Currently Amended) The diagnostic composition as claimed in claim 33, wherein the detection ~~being~~ is carried out in body fluids.

35. (Currently Amended) The diagnostic composition as claimed in claim 34, wherein the body fluids ~~being~~ are blood or cerebrospinal fluid.

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36. (Currently Amended) The diagnostic composition as claimed in claim 33, wherein the detection ~~being~~ is carried out in tissues.

37. (Canceled).